Amendments to the Claims

The below listing of claims will replace all prior versions and listings of claims in the present application.

Listing of Claims:

1-10. (canceled)

11. (currently amended) A multi-focal contact lens wherein the lens is manufactured at least partially from a responsive polymer gel capable of changes in shape when worn by a wearer of the contact lens, wherein the responsive polymer gel responds to the application of stimulus corresponding to a detected condition in at least one eye of the wearer.

12. (original) A multi-focal contact lens according to Claim 11 wherein the responsive polymer gel changes shape and/or refractive index.

13. (cancelled)

14. (currently amended) A multi-focal contact lens according to Claim 11 [[13]] wherein the stimulus is [[in]] an electric field.

15. (currently amended) A multi-focal contact lens according to Claim 11 [[13]] wherein the stimulus is [[in]] a magnetic field.

16. (currently amended) A multi-focal contact lens according to Claim 11 [[13]] wherein the stimulus is produced by means embedded in the contact lens itself.

17. (original) A multi-focal contact lens according to Claim 16 wherein the means of providing the stimulus is a nano or micro chip.

18. (previously presented) A multi-focal contact lens wherein:

the lens is manufactured at least partially from a responsive polymer gel that responds to application of stimulus produced by a nano or micro chip embedded in the contact lens itself; and

the chip monitors eye movement such that a change in eye movement causes the chip to emit the stimulus.

19. (previously presented) A multi-focal contact lens wherein:

the lens is manufactured at least partially from a responsive polymer gel that responds to application of stimulus produced by a nano or micro chip embedded in the contact lens itself; and

the chip monitors inter-pupillary distance and emits the stimulus when inter-pupillary distance changes.

20. (previously presented) A multi-focal contact lens wherein:

the lens is manufactured at least partially from a responsive polymer gel that responds to application of stimulus produced by a nano or micro chip embedded in the contact lens itself; and

the chip monitors a distance between right and left contact lenses and emits the stimulus when the distance changes.

21. (previously presented) A multi-focal contact lens wherein the lens is manufactured at least partially from a responsive polymer gel, said lens capable of changes in shape with stimulus during use by a wearer of the lens, wherein said at least one stimulus is responsive to eye movement of the wearer of the lens, and wherein said at least one stimulus is selected from the group consisting of temperature, pH, ionic strength, light, electric field, magnetic field, shear forces, and a chemical trigger.

22. (previously presented) A multi-focal contact lens wherein the lens is manufactured at least partially from a responsive polymer gel capable of changing shape when worn by a wearer of the lens, said changing shape triggered by eye movement of the wearer of the lens.